CONT	AINS	NO	00.
		2 4 1	

SECTION 1 GENERAL MANUFACTURER, IMPORTER, AND PROCESSOR INFORMATION

RT .	A G	ENERAL REPORTING INFORMATION
)1	Thi	s Comprehensive Assessment Information Rule (CAIR) Reporting Form has been
<u>:</u>	COM	pleted in response to the <u>Federal Register Notice of $[1]_2$ $[2]_2$ $[8]_8$ year</u>
-]	a.	If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal
•		Register, list the CAS No
	b.	If a chemical substance CAS No. is not provided in the <u>Federal Register</u> , list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the <u>Federal Register</u> .
		(i) Chemical name as listed in the rule N/A
		(ii) Name of mixture as listed in the rule N/A
	•	(iii) Trade name as listed in the rule N/A
	c.	If a chemical category is provided in the <u>Federal Register</u> , report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the che
		substance you are reporting on which falls under the listed category.
		Name of category as listed in the rule N/A
		Name of category as listed in the rule N/A
2		Name of category as listed in the rule
		Name of category as listed in the rule
•	Han	Name of category as listed in the rule
	Man Imp	Name of category as listed in the rule
•	Man Imp	Name of category as listed in the rule
•	Man Imp	Substance you are reporting on which falls under the listed category. Name of category as listed in the rule
<u>:</u>	Man Imp	Name of category as listed in the rule
)2	Man Imp	Name of category as listed in the rule

1.03 <u>CBI</u> [_]	Does the substance you are reporting on have an "x/p" designation associated with it in the above-listed Federal Register Notice? Yes
	a. Do you manufacture, import, or process the listed substance and distribute it under a trade name(s) different than that listed in the Federal Register Notice? Circle the appropriate response. Yes
,	[] You have chosen to notify your customers of their reporting obligations Provide the trade name(s) [] You have chosen to report for your customers [] You have submitted the trade name(s) to EPA one day after the effective date of the rule in the Federal Register Notice under which you are reporting.
1.05 <u>CBI</u> [_]	If you buy a trade name product and are reporting because you were notified of your reporting requirements by your trade name supplier, provide that trade name. BASF WUC 3086-T Is the trade name product a mixture? Circle the appropriate response. Yes
1.06 <u>CBI</u>	Certification The person who is responsible for the completion of this form must sign the certification statement below: "I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate." Bobby C. Owens Bobby C. Owens
[_]	Mark (X) this box if you attach a continuation sheet.

CBI	Exemptions From Reporting If you have provided EPA or another Federal agency with the required information on a CAIR Reporting Form for the listed substance within the past 3 years, and this information is current, accurate, and complete for the time period specified in the rule, then sign the certification below. You are required to complete section 1 of this CAIR form and provide any information now required but not previously submitted. Provide a copy of any previous submissions along with your Section 1 submission.				
	information which I have not	the best of my knowledge and belief, t included in this CAIR Reporting For ars and is current, accurate, and con e."	rm has been submitted		
	N/A	· · · · · · · · · · · · · · · · · · ·			
	NAME	SIGNATURE	DATE SIGNED		
	TITLE	TELEPHONE NO.	DATE OF PREVIOUS SUBMISSION		
<u>CBI</u>	those confidentiality claims	i tibiob tou boud accompad			
<u>CBI</u>	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly	s which you have asserted. Tes to protect the confidentiality of these measures; the information is ole by other persons (other than gover than discovery based on a showing proceeding) without my company's convailable elsewhere; and disclosure to my company's competitive positions.	not, and has not ernment bodies) by of special need in onsent; the of the information		
	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly	res to protect the confidentiality of these measures; the information is ale by other persons (other than gove er than discovery based on a showing proceeding) without my company's co- available elsewhere; and disclosure	not, and has not ernment bodies) by of special need in onsent; the of the information		
	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly	res to protect the confidentiality of these measures; the information is ple by other persons (other than gover than discovery based on a showing proceeding) without my company's coavailable elsewhere; and disclosure to my company's competitive position	not, and has not ernment bodies) by of special need in onsent; the of the information on."		
	"My company has taken measure and it will continue to take been, reasonably ascertainable using legitimate means (other a judicial or quasi-judicial information is not publicly would cause substantial harm	res to protect the confidentiality of these measures; the information is ale by other persons (other than gove er than discovery based on a showing proceeding) without my company's co- available elsewhere; and disclosure	not, and has not ernment bodies) by of special need in onsent; the of the information		
	"My company has taken measure and it will continue to take been, reasonably ascertainable using legitimate means (other a judicial or quasi-judicial information is not publicly would cause substantial harm	res to protect the confidentiality of these measures; the information is ple by other persons (other than gover than discovery based on a showing proceeding) without my company's coavailable elsewhere; and disclosure to my company's competitive position	not, and has not ernment bodies) by of special need in onsent; the of the information on."		
	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly would cause substantial harm	res to protect the confidentiality of these measures; the information is ple by other persons (other than govern than discovery based on a showing proceeding) without my company's convariable elsewhere; and disclosure to my company's competitive position. SIGNATURE	not, and has not ernment bodies) by of special need in onsent; the of the information on."		
	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly would cause substantial harm	res to protect the confidentiality of these measures; the information is ple by other persons (other than govern than discovery based on a showing proceeding) without my company's convariable elsewhere; and disclosure to my company's competitive position. SIGNATURE	not, and has not ernment bodies) by of special need in onsent; the of the information on."		
	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly would cause substantial harm	res to protect the confidentiality of these measures; the information is ple by other persons (other than govern than discovery based on a showing proceeding) without my company's convariable elsewhere; and disclosure to my company's competitive position. SIGNATURE	not, and has not ernment bodies) by of special need in onsent; the of the information on."		
	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly would cause substantial harm	res to protect the confidentiality of these measures; the information is ple by other persons (other than govern than discovery based on a showing proceeding) without my company's convariable elsewhere; and disclosure to my company's competitive position. SIGNATURE	not, and has not ernment bodies) by of special need in onsent; the of the information on."		
	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly would cause substantial harm	res to protect the confidentiality of these measures; the information is ple by other persons (other than govern than discovery based on a showing proceeding) without my company's convariable elsewhere; and disclosure to my company's competitive position. SIGNATURE	not, and has not ernment bodies) by of special need in onsent; the of the information on."		
	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly would cause substantial harm	res to protect the confidentiality of these measures; the information is ple by other persons (other than govern than discovery based on a showing proceeding) without my company's convariable elsewhere; and disclosure to my company's competitive position. SIGNATURE	not, and has not ernment bodies) by of special need in onsent; the of the information on."		
	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly would cause substantial harm	res to protect the confidentiality of these measures; the information is ple by other persons (other than govern than discovery based on a showing proceeding) without my company's convariable elsewhere; and disclosure to my company's competitive position. SIGNATURE	not, and has not ernment bodies) by of special need in onsent; the of the information on."		
	"My company has taken measurand it will continue to take been, reasonably ascertainabusing legitimate means (other a judicial or quasi-judicial information is not publicly would cause substantial harm	res to protect the confidentiality of these measures; the information is ple by other persons (other than govern than discovery based on a showing proceeding) without my company's convariable elsewhere; and disclosure to my company's competitive position. SIGNATURE	not, and has not ernment bodies) by of special need in onsent; the of the information on."		

PART	B CORPORATE DATA	
1.09	Facility Identification	
CBI	Name [B]U]R]K]A]R]T] IF]O]A]M] II]N	
[_]	Address [3]6]t]h] &] JS JY JC JA JM JO JE Stro] <u>E </u>
	[C]A]I]R]O]_]_]_]_]_]_]_]_]	
	[<u>I]L</u> State	[6]2]9]1]4][]]] e Zip
	Dun & Bradstreet Number	[0]4]-[2]9]7]-[5]3]4]2
	EPA ID Number	
	Employer ID Number	37.[-]1]0]9]8]9]0]9
	Primary Standard Industrial Classification (SIC) Co	ode[<u>3]0]8]6</u>
	Other SIC Code	[_]_]_]
	Other SIC Code	[_]_]
1.10	Company Headquarters Identification	
CBI	Name [B]U]R]K]A]R]T] [F]O]A]M]]I]N	
[_]	Address [3]6]t]h] &] JS JY C A M O R	et
	[C]A]I]R]O]]]]]]]]]Cit	[]
	[<u>I</u>] <u>L</u> State	
	Dun & Bradstreet Number	[0]4]-[2]9]7]-[5]3]4]2]
	Employer ID Number	37.[-]1]0]9]8]9]0]9]

1.11	Parent Company Identification
<u>CBI</u>	Name [O]H]I]O] DECORATIVE PRODUCTS Address [2]2]O] S. ELIZABETH STREET
	(SPENCIERVILLE City
	[O]H] [4]5]8]8]7][]]]] State Zip
	Dun & Bradstreet Number
1.12	Technical Contact
CBI	Name [B]0]B]B]Y]_]C]_]0]W]E]N]S]_]]]]]]]]]]
[_]	Title [M]A]I]N]T]E]N]A]N]C]E] [M]A]N]A]G]E]R]
,	Address [3]6]t]h] &] S Y C A M O R E J J J J J J J J J J J J J J J J J J
	(C A I R O - - - - - - - - - - - - - - - - - -
•	[<u>I</u>] <u>L</u>] (<u>6</u>] <u>2</u>] <u>9</u>] <u>1</u> 4][<u>]</u>] <u>Zip</u>
	Telephone Number
1.13	This reporting year is from
	•

1.14	Facility Acquired If you purchased this facility during the reporting year, provide the following information about the seller: $_{\rm N/A}$
CBI	Name of Seller [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	(1111111111111
	[_]_] [_]_]_]_]_][_]_]_]_ State
	Employer ID Number
	Date of Sale
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Telephone Number
1.15	Facility Sold If you sold this facility during the reporting year, provide the following information about the buyer: \rmN/A
<u>CBI</u>	Name of Buyer [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
[_]	Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1_1
	[_]_] [_]_]_]_]_]_]_[][_]_]_] State
	Employer ID Number
	Date of Purchase
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Telephone Number
[_]	Mark (X) this box if you attach a continuation sheet.

was manufactured, imported, or processed at your facility during the reporting ye						
Hanufactured	.16 For each classification listed below, state the quantity of the was manufactured, imported, or processed at your facility during	For each classification listed below, state the quantity of the listed substance the was manufactured, imported, or processed at your facility during the reporting year.				
Hanufactured	Classification	Quantity (kg/				
Imported	_1					
Processed (include quantity repackaged) Of that quantity manufactured or imported, report that quantity: In storage at the beginning of the reporting year For on-site use or processing N/A For direct commercial distribution (including export) In storage at the end of the reporting year N/A Of that quantity processed, report that quantity: In storage at the beginning of the reporting year 30,413 Processed as a reactant (chemical producer) Processed as a formulation component (mixture producer) N/A Processed as an article component (article producer) N/A Repackaged (including export) N/A In storage at the end of the reporting year 13,610	Hanufactured					
Of that quantity manufactured or imported, report that quantity: In storage at the beginning of the reporting year N/A For on-site use or processing N/A For direct commercial distribution (including export) N/A In storage at the end of the reporting year N/A Of that quantity processed, report that quantity: In storage at the beginning of the reporting year 30,413 Processed as a reactant (chemical producer) 191,792 Processed as a formulation component (mixture producer) N/A Processed as an article component (article producer) N/A Repackaged (including export) N/A In storage at the end of the reporting year 13,610	Imported	N/A				
In storage at the beginning of the reporting year N/A For on-site use or processing N/A For direct commercial distribution (including export) N/A In storage at the end of the reporting year N/A Of that quantity processed, report that quantity: In storage at the beginning of the reporting year 30,413 Processed as a reactant (chemical producer) 191,792 Processed as a formulation component (mixture producer) N/A Processed as an article component (article producer) N/A Repackaged (including export) N/A In storage at the end of the reporting year 13,610	Processed (include quantity repackaged)	191,792				
For on-site use or processing	Of that quantity manufactured or imported, report that quantity:	}				
For direct commercial distribution (including export) In storage at the end of the reporting year Of that quantity processed, report that quantity: In storage at the beginning of the reporting year Processed as a reactant (chemical producer) Processed as a formulation component (mixture producer) N/A Processed as an article component (article producer) N/A Repackaged (including export) In storage at the end of the reporting year 13,610	In storage at the beginning of the reporting year	N/A				
In storage at the end of the reporting year	For on-site use or processing	N/A				
Of that quantity processed, report that quantity: In storage at the beginning of the reporting year	For direct commercial distribution (including export)	N/A				
In storage at the beginning of the reporting year	In storage at the end of the reporting year	N/A				
Processed as a reactant (chemical producer) 191,792 Processed as a formulation component (mixture producer) N/A Processed as an article component (article producer) N/A Repackaged (including export) N/A In storage at the end of the reporting year 13,610	Of that quantity processed, report that quantity:					
Processed as a formulation component (mixture producer) N/A Processed as an article component (article producer) N/A Repackaged (including export) N/A In storage at the end of the reporting year 13,610	In storage at the beginning of the reporting year	30,413				
Processed as an article component (article producer)	Processed as a reactant (chemical producer)	191,792				
Repackaged (including export)	Processed as a formulation component (mixture producer)	N/A				
In storage at the end of the reporting year	Processed as an article component (article producer)	<u>N/A</u>				
	Repackaged (including export)	N/A				
	In storage at the end of the reporting year	13,610				
	· · · · · · · · · · · · · · · · · · ·					
	. •					
	•					

[_] Mark (X) this box if you attach a continuation sheet.

17 3 <u>I</u>	Hixture If the listed subst or a component of a mixture, p chemical. (If the mixture com each component chemical for al	rovide the	e tolloving incorm is variable, repor	arion for eaco	component
 1	Component Name		Supplier Name	Compositio (specify	age % n by Weight precision, 5% ± 0.5%)
	XVS			•	
	2,4 Tolune Diisocyanate	BASE		75	
	Polymethylene Polypenyliso				• .
			-	Total	100%
	•				
			•		
	. apr		•		•
			•		•
			. •		
		•	. •		

manufactured	NA NA 147,637 NA NA NA NA NA NA NA NA NA N	Year kg kg kg kg kg kg kg k
manufactured	NA NA 147,637 NA NA NA NA NA NA NA NA NA N	Year kg kg kg kg kg kg kg k
imported processed manufactured imported processed	NA 147,637 [0]7] Ho. NA 146,525 [0]17] Ho. NA	kg kg
processed	147,637	[8]6] Year kg kg kg Kg
manufactured imported processed	NA NA 146,525 [0]7] NA NA NA NA	[8]6] Year kg kg kg [8]5] Year
manufactured imported processed ng	NA NA 146,525 [0]7] NA	Year kg kg kg kg
imported	NA 146,525 [0]7] Ho. NA	kg kg [8]5] Year
processed	146,525 [0]7] Ho.	kg [8]5] Year
ng	[0]7] Ho.	[8]5] Year
	NA	Year
manufactured		kg
imported	NA	kg
processed	223,962	kg
he manner in which you manufactured the listed substance te process types.	. Circle al	1
s processN/A		1
nuous process		2
ocess	• • • • • • • • • •	3
•		
i	inuous process	inuous process

ŧ	•							
2.06 CBI	Specify the manner in appropriate process ty	the listed substance.	Circle all					
[_]	Continuous process	Continuous process						
	Semicontinuous process	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	(2			
	Batch process	• • • • • • • • • • • • • • • • • • • •	*********		3			
2.07 CBI	State your facility's substance. (If you ar question.)	name-plate capacity f e a batch manufacture	or manufacturing or per or batch processor,	processing the	e listed er this			
[_]	Nancifacturing accordes			N/A				
	Manufacturing capacity	•			kg/yr			
	Processing capacity .	• • • • • • • • • • • • • • • • • • •		U.K.	kg/yr			
2.08	If you intend to incre	ase or decrease the q	uantity of the listed	l substance	e fiscal			
CBI	year, estimate the incolume.	, or processed at any rease or decrease bas	ed upon the reporting	; year's produ	uction			
<u>CBI</u>	year, estimate the inc	, or processed at any rease or decrease bas Hanufacturing Quantity (kg)	Importing Quantity (kg)	year's prodess Process Quantity	uction sing			
	year, estimate the inc	rease or decrease bas Hanufacturing	ed upon the reporting Importing	year's produ Process	uction sing			
	year, estimate the inc	rease or decrease bas Hanufacturing Quantity (kg)	Importing Quantity (kg)	year's produ Process Quantity	uction sing			
	year, estimate the incovolume. Amount of increase	rease or decrease bas Hanufacturing Quantity (kg) N.A.	Importing Quantity (kg) N.A.	Process Quantity N.A.	uction sing			
	year, estimate the incovolume. Amount of increase	rease or decrease bas Hanufacturing Quantity (kg) N.A.	Importing Quantity (kg) N.A.	Process Quantity N.A.	uction sing			
	year, estimate the incovolume. Amount of increase	rease or decrease bas Hanufacturing Quantity (kg) N.A.	Importing Quantity (kg) N.A.	Process Quantity N.A.	uction sing			
	year, estimate the incovolume. Amount of increase	rease or decrease bas Hanufacturing Quantity (kg) N.A.	Importing Quantity (kg) N.A.	Process Quantity N.A.	uction sing			
	year, estimate the incovolume. Amount of increase	rease or decrease bas Hanufacturing Quantity (kg) N.A.	Importing Quantity (kg) N.A.	Process Quantity N.A.	uction sing			
	year, estimate the incovolume. Amount of increase	rease or decrease bas Hanufacturing Quantity (kg) N.A.	Importing Quantity (kg) N.A.	Process Quantity N.A.	uction sing			
	year, estimate the incovolume. Amount of increase	rease or decrease bas Hanufacturing Quantity (kg) N.A.	Importing Quantity (kg) N.A.	Process Quantity N.A.	uction sing			
	year, estimate the incovolume. Amount of increase	rease or decrease bas Hanufacturing Quantity (kg) N.A.	Importing Quantity (kg) N.A.	Process Quantity N.A.	uction sing			
	year, estimate the incovolume. Amount of increase	rease or decrease bas Hanufacturing Quantity (kg) N.A.	Importing Quantity (kg) N.A.	Process Quantity N.A.	uction sing			
	year, estimate the incovolume. Amount of increase	rease or decrease bas Hanufacturing Quantity (kg) N.A.	Importing Quantity (kg) N.A.	Process Quantity N.A.	uction sing			

2.09	For the three largest volume manufacturing or processing procedisted substance, specify the number of days you manufactured substance during the reporting year. Also specify the average day each process type was operated. (If only one or two operalist those.)	or processe number of	d the lister
CBI			Average
		Days/Year	
	Process Type #1 (The process type involving the largest quantity of the listed substance.)		:
	Manufactured	NA	NA
	Processed		10-12
	Process Type #2 (The process type involving the 2nd largest quantity of the listed substance.)		
	Manufactured	<u>NA</u>	NA
	Processed	NA	
	Process Type #3 (The process type involving the 3rd largest quantity of the listed substance.)		·
	Manufactured	NA	NA
	Processed	NA	NA
2.10 <u>CBI</u> [_]	State the maximum daily inventory and average monthly inventory substance that was stored on-site during the reporting year in chemical. Maximum daily inventory Average monthly inventory	the form o	
[_]	Mark (X) this box if you attach a continuation sheet.		

	CAS No.	Chemical Name	Byproduct, Coproduct or Impurity ¹	Concentration (%) (specify ± % precision)	Source of By products, Coproducts, or Impurities
_	NA	NA	. NA	NA NA	NA
-				•	
-			4	-	
<u>.</u>					+
-					
_				•	
		ر ويو قيل پره وي اي			

<u>BI</u>	the quantity of listed substatotal volume of listed substatus quantity of listed substance listed under column b., and the instructions for further	nce used during used captively he types of end	the reporting yea: on–site as a perce: -users for each pro	r. Also list the
·	Ma I	b. of Quantity nufactured, mported, or Processed	c. % of Quantity Used Captively On-Site	d. Type of End-Users
	В	100	100	
			-	
	<pre>1 Use the following codes to de A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accele Sensitizer D = Inhibitor/Stabilizer/Scave Antioxidant E = Analytical reagent F = Chelator/Coagulant/Seques G = Cleanser/Detergent/Degrea H = Lubricant/Friction modification agent I = Surfactant/Emulsifier J = Flame retardant K = Coating/Binder/Adhesive a 2 Use the following codes to de I = Industrial CM = Commercial</pre>	erator/ N erator/ N orenger/ P otrant R eser S er/Antivear T U V und additives X	= Moldable/Castabl = Plasticizer = Dye/Pigment/Colo = Photographic/Rep and additives = Electrodepositio = Fuel and fuel ad = Explosive chemic = Fragrance/Flavor = Pollution contro = Functional fluid = Metal alloy and = Rheological modi = Other (specify) e of end-users:	als and additives chemicals chemicals s and additives additives

_]]	import, or process usi corporate fiscal year. import, or process for substance used during used captively on-site	For each use, speed each use as a percentage of each product type.	coduct types which you cance at any time after ecify the quantity you centage of the total vo Also list the quantite the value listed unde (Refer to the instru	your current expect to manufactu lume of listed ty of listed substa
	a.	b .	c.	đ.
	Product Types ¹	% of Quantity Manufactured, Imported, or Processed	% of Quantity Used Captively On-Site	Type of End-User
	B .	100	100	·T
		748	-	
				•
	¹ Use the following code A = Solvent	es to designate prod		4
	B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabiliz Antioxidant E = Analytical reagent F = Chelator/Coagulant G = Cleanser/Detergent H = Lubricant/Friction agent I = Surfactant/Emulsif J = Flame retardant K = Coating/Binder/Adh	Accelerator/ er/Scavenger/ //Sequestrant //Degreaser modifier/Antiwear ier esive and additives	<pre>M = Plasticizer N = Dye/Pigment/Color O = Photographic/Repr and additives P = Electrodeposition Q = Fuel and fuel add R = Explosive chemica S = Fragrance/Flavor T = Pollution control U = Functional fluids V = Metal alloy and a W = Rheological modif S X = Other (specify)</pre>	ographic chemical /Plating chemicals itives ls and additives chemicals chemicals and additives dditives
	B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabiliz Antioxidant E = Analytical reagent F = Chelator/Coagulant G = Cleanser/Detergent H = Lubricant/Friction agent I = Surfactant/Emulsif J = Flame retardant	Accelerator/ er/Scavenger/ //Sequestrant //Degreaser modifier/Antiwear ier esive and additives	<pre>M = Plasticizer N = Dye/Pigment/Color O = Photographic/Repr and additives P = Electrodeposition Q = Fuel and fuel add R = Explosive chemica S = Fragrance/Flavor T = Pollution control U = Functional fluids V = Metal alloy and a V = Rheological modif X = Other (specify) type of end-users:</pre>	ant/Ink and additi ographic chemical /Plating chemicals itives ls and additives chemicals chemicals and additives dditives

. a.	b.	c. Average % Composition of	d.
Product Type ¹	Final Product's Physical Form ²	Listed Substance in Final Product	Type of End-User
N.A.			• .
	•		÷ .
			-
			
1			u
Use the following co	des to designate pro		- multi-
A = Solvent B = Synthetic reacta	nt.	L = Moldable/Castable H = Plasticizer	e/Kubber and ad
C = Catalyst/Initia		N = Dye/Pigment/Color	cant/Ink and ad
Sensitizer	tor/Accelerator/	0 = Photographic/Rep	
D = Inhibitor/Stabil	lizer/Scavenger/	and additives	
Antioxidant		P = Electrodeposition	/Plating chemi
E = Analytical reage	ent	Q = Fuel and fuel add	
F = Chelator/Coagula		R = Explosive chemica	
G = Cleanser/Deterge		S = Fragrance/Flavor	chemicals
H = Lubricant/Frict:	on modifier/Antiwear	T = Pollution control	l chemicals
agent	•	U = Functional fluids	
I = Surfactant/Emuls	sifier	V = Metal alloy and a	
J = Flame retardant		W = Rheological modif	fier
K = Coating/Binder/	Adhesive and additive	es X = Other (specify)	
² Use the following co		e final product's physic	cal form:
A = Gas		stalline solid	
B = Liquid	F3 = Gra	anules	
<pre>C = Aqueous solution</pre>		ner solid	
D = Paste	G = Ge		
E = Slurry	$\mathbf{H} = \mathbf{Oth}$	ner (specify)	
F1 = Powder			
³ Use the following co	des to designate the	e type of end-users:	
I = Industrial	CS = Cor	nsumer	
CM = Commercial		ner (specify)	
		. •	

[_]	Truck	•••••••••••	• • • • • • • • • • • • •	1						
١١	Railcar 2									
	Barge, Vessel									
		ine								
	-	•								
	Plane	•••••••••••••••••••••••••••••••••••••••	•							
	Other	(specify) NA		6						
2.16 <u>CBI</u> [_]	or pr of en	mer Use Estimate the quantity of the listed substance u epared by your customers during the reporting year for use d use listed (i-iv). ory of End Use	sed by your o	customers category						
	i.	Industrial Products	•	÷						
	**	Chemical or mixture	NA	kg/yr						
		Article		kg/yr						
				~8/ J .						
	ii.	Commercial Products	NA							
		Chemical or mixture		kg/yr						
		Article	NA	kg/yi						
	iii.	Article Consumer Products		kg/yi						
	iii.		NA NA							
	iii.	Consumer Products		kg/yı						
	iii.	Consumer Products Chemical or mixture	NA	kg/yı						
		Consumer Products Chemical or mixture	NA	kg/yı						
		Consumer Products Chemical or mixture	NA NA	kg/yı kg/yı kg/yı						
		Consumer Products Chemical or mixture	NA NA NA	kg/yı kg/yı kg/yı kg/yı						
		Consumer Products Chemical or mixture	NA NA NA	kg/yr kg/yr kg/yr kg/yr kg/yr kg/yr						

PART	A GENERAL DATA		
3.01 CBI	Specify the quantity purchased and the average price for each major source of supply listed. Product trade The average price is the market value of the product substance.	les are treated	as purchases.
[_]		Quantity	Average Price
	Source of Supply	(kg)	(\$/kg)
ē	The listed substance was manufactured on-site.	. NA	. NA
	The listed substance was transferred from a different company site.	NA	. NA
	The listed substance was purchased directly from a manufacturer or importer.	208,755	approximately 0.3642, fluct ating with mark
•	The listed substance was purchased from a distributor or repackager.	NA	conditionsNA
٠.	The listed substance was purchased from a mixture producer.	NA	<u>NA</u>
			•

J	Truck	
	Railcar	(
	Barge, Vessel	:
	Pipeline	4
	Plane	-
	Other (specify)	(

										_				
[_]	}	Mark	(X)	this	box	if you	attach	а	continuation	sheet	•			

3.03 CBI	a.	Circle all applicable containers used to transport the lifacility.	sted subst	ance to	your
[]		Bags	• • • • • • • • •	•••,•,•••	••••
		Boxes	• • • • • • • • •	• • • • • •	•••••
		Free standing tank cylinders	• • • • • • • • •	•••••	••••
		Tank rail cars	• • • • • • • • •	•••••	(
		Hopper cars	• • • • • • • • • • • •	·····	••••
		Tank trucks	•••••	• • • • • •	(
		Hopper trucks	• • • • • • • • •	•••••	••••
		Drums	• • • • • • • • • •	•••••	(
		Pipeline	• • • • • • • • •	• • • • • •	•••••
		Other (specify)	• • • • • • • • •	•••••	1
	b.	If the listed substance is transported in pressurized tank cars, or tank trucks, state the pressure of the tanks.	k cylinder	s, tank	rail
		•			•
		Tank cylinders		NA	maH
			_	NA NA	····
		Tank cylinders		NA	mmH
		Tank cylinders Tank rail cars		NA	mmH
		Tank cylinders Tank rail cars		NA	mmH
		Tank cylinders Tank rail cars		NA	mmHg mmHg
		Tank cylinders Tank rail cars		NA	mmH
		Tank cylinders Tank rail cars		NA	mmH
		Tank cylinders Tank rail cars		NA	mmH
		Tank cylinders Tank rail cars		NA	mmH
		Tank cylinders Tank rail cars		NA	mmH
		Tank cylinders Tank rail cars		NA	mmH
		Tank cylinders Tank rail cars		NA	mmH

of the mixture, the name average percent composit amount of mixture proces	of its supplier(s) ion by weight of th	form of a mixture, list the or manufacturer(s), an est a listed substance in the morting year.	imate of the
Trade Name	Supplier or Manufacturer	Average % Composition by Weight (specify ± % precision)	Amount Processed (kg/yr)
NA NA			
		*	
•	,		
•		•	
•			
		•	
*	·		
		•	
			,
•			
,		:. ::	
	•	• 1	

OS State the quantity of the reporting year in the form the percent composition, by	listed substance used as of a class I chemical, of weight, of the listed :	class II	chemical, or polymer, and
	Quantity Used (kg/yr)		% Composition by Weight of Listed Sub- stance in Raw Material (specify ± % precision
Class I chemical .	191, 792		75% + 1%
	NA		- NA
	NA NA		NA
Class II chemical	NA		NA
	NA		NA
	NA		NA
De James			•
Polymer	NA NA		NA NA
	. NA		NA NA
		•	
		. •	

	٤	SECTION 4 PHYSICAL/C	HEMICAL PROPERTIES	
Gener	ral Instructions:			
If you	ou are reporting on a m it are inappropriate to	mixture as defined in mixtures by stating	the glossary, reply to	questions in Section
notio	questions 4.06–4.15, if se that addresses the i mile in lieu of answer	information requested	ard warning statement, , you may submit a copy which it addresses.	label, MSDS, or other or reasonable
		.•		:
PART	A PHYSICAL/CHEMICAL D	DATA SUMMARY		· · · · · · · · · · · · · · · · · · ·
4.01 <u>CBI</u>	substance as it is ma substance in the fina	unufactured, imported al product form for m	major ¹ technical grade(; , or processed. Measurd anufacturing activities begin to process the se	e the purity of the , at the time you
''		Manufacture	Import	Process
٠	Technical grade #1	NA% purity	NA % purity	NA % purity
	Technical grade #2	NA % purity	NA % purity	NA % purity
	Technical grade #3	NA % purity		NA% purity
	¹ Major = Greatest qua		tance manufactured, impo	
4.02	substance, and for ev an MSDS that you deve	very formulation cont cloped and an MSDS de mether at least one M	l Safety Data Sheet (MSI aining the listed substa veloped by a different s SDS has been submitted b	ince. If you possess source. submit your
	Yes	••••••	•••••	
	No	********	• • • • • • • • • • • • • • • • • • • •	2
	Tudiases education abo	MCDC 11 t	 	

$\begin{bmatrix} \\ \end{bmatrix}$ Mark (X) this box if you attach a continuation sheet.		Hark (X) this	box if you	attach a	continuation	sheet.
------------------------------------------------------------------------------------------	--	---------	--------	------------	----------	--------------	--------

Your company

Another source

4.03	Submit a copy or reasonable facsimile of any hazard information (other than an MSDS that is provided to your customers/users regarding the listed substance or any formulation containing the listed substance. Indicate whether this information has been submitted by circling the appropriate response.						
	Yes ^{NA}						
	No						
4.04	For each activity that uses the listed substance, circle all the applicable number(s corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at						
CBI	the time you import or begin to process the listed substance. Physical states for manufacturing, storage, disposal and transport activities are determined using the final state of the product.						

		Physical State						
Activity	Solid	Slurry	Liquid	Liquified Gas	Gas			
Hanufacture	1	2	3	4 .	5			
Import	. 1	2	3	4	5			
Process	1	2	(3)	4	5			
Store	1	2	(3)	4	5			
Dispose	1	2	3	4 .	5			
Transport	1	2	3	4	5			

[__] Mark (X) this box if you attach a continuation sheet.

<u>BI</u>	percentage particles importing listed su	g activities, indicage distribution of to the standard processing actubstance. Heasure to disposal and transposal and transpos	he listed subs meter. Heasur ivities at the he physical st	stance by se the plant of the standard of the	vactivity nysical st ou import particle	. Do nate and or beging sizes f	ot includ particle in to proc for manufa	le sizes faces faces ess the acturing
	Physical State	•	Manufacture	Import	Process	Store	Dispose	Transpo
	Dust	<1 micron	NA	NA	NA	NA	NA	· NA
		1 to <5 microns	14	н	24	11	11	11
	· ,	5 to <10 microns	10		tt		2	
	Powder	<1 micron	11	66	t1	tt .	10	11
		1 to <5 microns	tt .	11				11
		5 to <10 microns	11		**	"	"	46
•	Fiber	<1 micron	. 11	16	11	11		17
		1 to <5 microns	11	11	11	. 11	11	11
		5 to <10 microns	tt	24	- tt .	11	11	11
	Aerosol	<1 micron	и .	16		n	44	**
		1 to <5 microns	11	(1	4 "	***	41	11
		5 to <10 microns	18	11	tt	**	11	Ħ

[_]	Hark (X)	this t	box if	you	attach a	a (continuation	shee	et.			

SECTION	5	ENVIRONMENTAL FAT	Ē

)1 In	dicate the rate constants for the following tra	nsformati	on processes.		
a.	Photolysis:		•		
· ·	Absorption spectrum coefficient (peak)	U.K.	(1/M cm) at _	n	nm
	Reaction quantum yield, 6	·U.K.	at _	n	nm
	Direct photolysis rate constant, k_p , at	U.K.	1/hr	lati	itu
b.	Oxidation constants at 25°C:			•	
	For ¹ 0 ₂ (singlet oxygen), k _{ox}		U.K.	1	1/H
	For RO ₂ (peroxy radical), k _{ox}	-			1/H
c.	Five-day biochemical oxygen demand, BOD ₅		U.K.	m	mg/
d.					
	For bacterial transformation in water, k _b		U.K.	1	1/h
	Specify culture				
e.	Hydrolysis rate constants:	•			
	For base-promoted process, k _B		U.K.	1	1/H
	For acid-promoted process, k,				
	For neutral process, k _N		•		
f.			•		
g.	Other (such as spontaneous degradation)		U.K.		

[_]	Mark	(X)	this	box	if	you	attach	a	continuation	sheet.		•
											•	

PART	'В 1	PARTITION COEFFICIENTS				
5.02	a.	Specify the half-life	e of the listed substa	ance in the fo	llowing med	ia.
		<u>Ked1a</u>		Half-life (specify uni	<u>ts)</u>
		Groundwater		U.K.		
		Atmosphere		U.K.		•
		Surface water	.•	U.K.		
		Soil		U.K.	-	
	b.	Identify the listed s life greater than 24	ubstance's known tran hours.	sformation pro	ducts that	have a half-
		CAS No.	Name	Half-life (specify uni	.ts)	<u> Hedia</u>
		U.K.	U.K.	U.K.	in	
			•	<u></u>	in	
					in	***
					in	
			A Market Makes and a second property of the s			
5.03	Spec	cify the octanol-water	partition coefficient	t, K _{ov}	U.K.	at 25°C
		hod of calculation or				
5.04	Spec	cify the soil-water par	rtition coefficient, F	(_a	U.K.	at 25°C
		L type				
.05	Spec	cify the organic carbon	n-water partition	.•		
	coet	Efficient, K _{oc}	• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	U.K.	at 25°C
.06	Spec	cify the Henry's Law Co	onstant, H		U.K.	atm~m³/mole
1	Mark	(X) this box if you a	ittach a continuation	sheet.		

	Bioconcentration Factor	Spec	les	Test ¹	
	U.K.	U.K.		U.K.	
		•	•	•	
٠					
	¹ Use the following codes t	o designate the ty	pe of test:	•	
	F = Flowthrough S = Static			•	
				•	
			*		
			•	٠.	
			•		
			•		
		×	•		
				<u>.</u>	
			. •		
			•		
		•	.•		

	<u> Market</u>	Quantity Sold or Transferred (kg/yr)	Total Sales Value (\$/yr)	-
	Retail sales	N.A	N.A	
	Distribution Wholesalers	tt		
	Distribution Retailers	u		
	Intra-company transfer		11	
	Repackagers	11	11	ě
	Hixture producers	ti	ee :	
	Article producers		18	
	Other chemical manufacturers or processors	†1	tt	
	Exporters		***	
	Other (specify)	. ***	· u	
	**************************************	-,		
5.05 CBI	Substitutes List all known comfor the listed substance and state feasible substitute is one which in your current operation, and who performance in its end uses.	te the cost of each substitution is economically and technologically.	te. A commercially ogically feasible t	o us
	for the listed substance and state feasible substitute is one which in your current operation, and who performance in its end uses.	te the cost of each substituents is economically and technologich results in a final produced to the control of	te. A commercially ogically feasible tuct with comparable	o us
CBI	for the listed substance and state feasible substitute is one which in your current operation, and wh	te the cost of each substituents is economically and technologich results in a final produced to the control of	te. A commercially ogically feasible to uct with comparable Cost (\$/kg)	o us
CBI	for the listed substance and state feasible substitute is one which in your current operation, and who performance in its end uses. Substitut	te the cost of each substituents is economically and technologich results in a final produced to the control of	te. A commercially ogically feasible tuct with comparable	o us
CBI	for the listed substance and state feasible substitute is one which in your current operation, and who performance in its end uses. Substitut	te the cost of each substituents is economically and technologich results in a final produced to the control of	te. A commercially ogically feasible to uct with comparable Cost (\$/kg)	o us
CBI	for the listed substance and state feasible substitute is one which in your current operation, and who performance in its end uses. Substitut	te the cost of each substitue is economically and technolo nich results in a final produ	te. A commercially ogically feasible to uct with comparable Cost (\$/kg)	o us
CBI	for the listed substance and state feasible substitute is one which in your current operation, and who performance in its end uses. Substitut	te the cost of each substitue is economically and technolo nich results in a final produ	te. A commercially ogically feasible to uct with comparable Cost (\$/kg)	o us
CBI	for the listed substance and state feasible substitute is one which in your current operation, and who performance in its end uses. Substitut	te the cost of each substitue is economically and technolo nich results in a final produ	te. A commercially ogically feasible to uct with comparable Cost (\$/kg)	o u:

	SECTION 7 MAN	SUFACTURING AND PROCESSING INFORMATION							
Gener	al Instructions:								
For q provi infor	or questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.								
PART	A MANUFACTURING AND PROCESSI	NG PROCESS TYPE DESCRIPTION							
7.01 CBI	In accordance with the instr major (greatest volume) proc	cuctions, provide a process block flow diagram showing tess type involving the listed substance.							
[_]	Process type Mo	lded Flexible Polyurethane Foam Manufacturing							
		•							

		•							

7.03	In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.							
[_]	Process	type	Мо	lded Flexi	ble Polyuret	hane Foam Mar	ufacturing	
							•	
			•					
						•		
							•	
						•		
					•	r		
		•				i i		
		•						
		41						
						·		
					•			

7.04 Describe the typical equipment types for each unit operation identified in your process block flow diagram(s). If a process block flow diagram is provided for more than one process type, photocopy this question and complete it separately for each process type.

CBI

[] Process type Molded Flexible Polyurethane Foam Manufacturing

Unit Operation ID Number	Typical Equipment Type	Operating Temperature Range (°C)	Operating Pressure Range (mm Hg)	Vessel Composition
7.2	TDI Bulk Tank	ambient	atmospheric	<u>steel</u>
7.4	TDI Run Tank	22-25	atmospheric	<u>steel</u>
7.6	Heat exchanger	7.2-11	2069-2586	steel jacket
7.7	Metering Pump	22-25	5689-6723	carbon steel
7.9	Resin Weigh Tank	ambient	atmospheric	steel
7.11	Resin Day Tank	ambient	<u>atmospher</u> ic	steel
7.13	Resin Run Tank	22-25	atmospheric	<u>steel</u> copper tubes
7.15	Heat Exchanger	7.2-11	4137-5171	steel jacket
7.16_	Resin Metering Pump	22-25	6206-10,343	carbon steel
7.17	Pouring Head	26-32	5689-10,343	carbon steel
7.20	Molds	54-60	776-1034	aluminum
7.22	Mold Cure Oven	93-127	103.4	steel &
7.3	Pump	ambient	2069	insulation cast iron
7.8	Pump	ambient	2069	cast iron
7.10	Pump	ambient	3103	cast iron
7.12	Pump	ambient	3103	cast iron
7.32	Pump	ambient	2069	steel
7.35	Pump	ambient	2069	cast iron
7.5	Pump	29-25	2069	CASTIKON
7.14	Piemp	22-25	3103	CASTIBON

[[]_] Mark (X) this box if you attach a continuation sheet.

05	process block flo	ocess stream identified in your ow diagram is provided for more plete it separately for each pro	than one process type				
Ī			e.				
_1	Process type Molded Flexible Polyurethane Foam Manufacturing						
	Process			•			
	Stream ID Code	Process Stream Description	Physical State ¹	Stream Flow (kg/yr			
	71, 7BB, 7ZGC, 7PP	Polyol	.OI.	340.785			
	7PP, 7QQ, 7K, 7L 7N,7D,7P,7S,7T/20	<pre> Polyol </pre>	OL	299,305			
	7W, 7X, 7SS, 7TT 7Y, 7BB, 7CC 700	TDI	OL	191,792			
	7K, 7L, 7N, 7O, 7P, 7S, 7T, 7DD	(water, tin, amine, silicone)	OL	41,918			
	7HH; 7II, 7KK, 7LL, 7NN, 7OO	Polyurethane Foam	so	891,839			
	GC = Gas (conder GU = Gas (uncond SO = Solid SY = Sludge or s AL = Aqueous lic OL = Organic lic	quid	d pressure) and pressure)				
			·				
		•					

.06 BI	If a proces	e each process stream idents block flow diagram is properties on and complete it separates for further explanation	rovided for mo tely for each	re than one process type. (ess type, photoco			
1	Process type Molded Flexible Polyurethane Foam Manufacturing							
	a.	b.	C.	d.	e.			
	Process Stream ID Code	Known Compounds ¹	Concentrations ^{2,3} (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)			
	7 <u>I</u>	Polyol	100 (E)	NA NA	NA			
	7w	TDI		Polymethylene Polyphenylisocya	anate 25			
	7 <u>M</u>	Additive Package #1	NA	NA	NA			
•	7DD	Polyol, TDI, Additive Package #1	100 (E)	NA	NA			
	7нн	Polyurethane Foam	100 (E)	NA	NA			
.06	continued b	pelow						
				·				
	·							

7.06 (continued)

¹For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

Additive Package Number	Components of Additive Package	·	Concentrations (% or ppm)
1	Tin Catalyst	-	100 (E)
	_Amine_Catalyst	-	100 (E)
·	Silicone	-	100 (E)
	_Water	-	100 (E)
		•	•
3	NA	• •	NA
• .			
4	NA		NA
5	NA		NA
se the following codes to A = Analytical result B = Engineering judgement/		entration v	as determined:
Jse the following codes to	designate how the conc	entration w	as measured:
V = Volume V = Weight ark (X) this box if you atta			as measured:

3.01 CBI	In accordance with the instructions, provide a residual treatment block flow diagram which describes the treatment process used for residuals identified in question 7.01.						
[_]	Process	type	Molded Flexible Polyurethane Foam Manufacturing				
			See Residual Treatment Flow Diagram, page 50a.				
			•				

8.05 CBI	Characterize each process stream identified in your residual treatment block flow diagram(s). If a residual treatment block flow diagram is provided for more than one process type, photocopy this question and complete it separately for each process type. (Refer to the instructions for further explanation and an example.)								
[_]	Process type Molded Flexible Polyurethane Foam Manufacturing								
	a.	b.	c.	d.	e.	f.	g.		
	Stream ID Code	Type of Hazardous Waste	Physical State of Residual ²	Known Compounds ³	Concentra- tions (% or ppm) 4.5,6	Other Expected Compounds	Estimated Concen- trations (% or ppm)		
	<u>7v</u>	T	GU	TDI	UK	NA	NA		
	7GG	<u>T</u>	GU	TDI	Below detec	tion NA	NA NA		
			GU	Methylene Ch	Loride UK	NA	NA		
						•			
							· · · · · · · · · · · · · · · · · · ·		
<u></u>									
8.05	continu	ed below							

8.05 (continue	₽đ)
----------------	----	---

³For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column d. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

	Additive Package Number	Components of Additive Package	Concentrations (% or ppm)
	1	NA NA	NA
		· · · · · ·	
			-
	2		
	3		
	•		
	4		
	· · · · · · · · · · · · · · · · · · ·		
			- M
	5		
	⁴ Use the following codes to	o designate how the concentration w	as determined:
	A = Analytical result E = Engineering judgement	/calculation	
.05	continued below	· · · · · · · · · · · · · · · · · · ·	
	Mark (X) this box if you a	ttach a continuation sheet.	
		56	

8.05	(continue	ed)					
	⁵ Use the	following coo	les to design	ate how the	concentration	n was meas	ured:
	V = Volu W = Weig	ıme					
	⁶ Specify below.	the analytica Assign a code	al test metho e to each tes	ds used and t t method used	their detect: I and list tl	ion limits nose codes	in the table in column e.
	Code		<u>М</u> е	ethod			Detection Lim
	1	_Color dete	ctor tube			i_	0.02-0.2ppm
	_2	-			-		
	_3	-			-		
-	_4					·	
	_5	-		· .	-	·	
	_6					·	
			•	·			
					· <u>-</u>		
		, garen					
			·		•		

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

8.06	diagram process	erize each p (s). If a r type, photo (Refer to the	esidual trea copy this qu	itment block iestion and c	flow diag omplete i	ram is pro t separate	vided for mo ly for each	re than one process
CBI								
[_]	Process	type	<u>Molde</u>	d Flexible P	olyuretha	ne Foam Ma	nufacturing	·
	a.	b.	, c.	d.	е	: .	f. Costs for	g.
	Stream ID Code	Vaste Description Code	Management Method Code ²	Residual Quantities (kg/yr)	of Resi	gement dual (%) Off-Site	Off-Site Management (per kg)	Changes in Management Methods
		B91	M5 (a)	0	NA	NA	NA .	NA
						· ·	ها الفياس المسالة بالمراجعة والمستحديدون	
				•				
	7 GG	B91	 M5(a)	9.6	NA	NA	NA	NA
			M5 (a)	31,780	NA	_NA	NA	NA
								·
	,							
				•				
		. mare					<u></u>	·
	<u> </u>			***************************************				
						***************************************		**************************************
						•		
	_	e codes prov	_		•		-	
	'Use th	e codes prov	ided in Exhi	bit 8-2 to d	esignate	the manage	ment methods	
					u.			

[_]		Ch	oustion namber nture (°C)	Temp	tion of erature nitor	In Co	ence Time mbustion (seconds)
	Incinerator	Primary	Secondary	Primary	Secondary .	Primary	Secondar
	1	NA					
	2	NA				***	
	3	NA			-	***	
	Yes	ling the app	ropriate resp	onse.	s been submit	• • • • • • • • • • • •	******
	1.0	••••••	••••••	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •	.,(2
CBI	Complete the f are used on-si treatment bloc	te to burn t	the residuals	hree largest identified	(by capacity in your proce	ess block or	residual
CBI	are used on-si	te to burn t	the residuals ram(s). Air Po Control	hree largest identified llution Device N/A	(by capacity in your proce	ess block or Types Emission Avail	residual of s Data
8.23 CBI [_]	Incinerator	te to burn t	the residuals ram(s). Air Po Control	identified llution Device N/A	(by capacity in your proce	ess block or Types Emission	residual of s Data
CBI	Incinerator	te to burn t	Air Po Control	identified llution Device	(by capacity in your proce	Types Emission Avail N/A	residual of s Data
CBI	Incinerator 2 Indicate	k flow diagr	the residuals ram(s). Air Po Control	llution Device N/A N/A N/A Survey has	to been submitted	Types Emission Avail N/A N/A	residual of s Data able
CBI	Incinerator 1 2 3 Indicate by circl	if Office o	Air Po Control of Solid Waste	llution Device N/A N/A N/A e survey has onse.	in your proce	Types Emission Avail N/A N/A N/A	residual of s Data able of response
CBI	Incinerator 1 2 3 Indicate by circl Yes	if Office of ing the appr	Air Po Control of Solid Waste	llution Device N/A N/A N/A e survey has onse.	been submitt	Types Emission Avail N/A N/A N/A	of s Data able of response
CBI	Incinerator 1 2 3 Indicate by circl Yes	if Office of ing the appr	Air Po Control of Solid Waste	llution Device N/A N/A N/A e survey has onse.	been submitt	Types Emission Avail N/A N/A N/A	of s Data able of response

PART A EMPLOYMENT AND POTENTIAL EXPOSURE PROFILE

9.01 Mark (X) the appropriate column to indicate whether your company maintains records on the following data elements for hourly and salaried workers. Specify for each data element the year in which you began maintaining records and the number of years the records for that data element are maintained. (Refer to the instructions for further explanation and an example.)

	Data are Mai	intained for Salaried	Year in Which Data Collection	Number of Years Records
Data Element	Workers	Workers	Began	Are Maintained
Date of hire	<u> </u>	<u> </u>	1965	24 yrs.
Age at hire	<u> </u>	X	1965	24
Work history of individual before employment at your facility	x	X	1965	24
Sex	<u> </u>	X	1965	24
Race	X	<u> </u>	1965	24
Job titles	<u> </u>	x	1965	24
Start date for each job title	X	X	1965	24
End date for each job title	X	X	1965	24
Work area industrial hygiene monitoring data	ex	X	1965	24
Personal employee monitoring data	KAN	NA	NA	NA
Employee medical history	<u> </u>	X	1965	24
Employee smoking history	<u>NA</u>	NA	NA NA	NA
Accident history	X	. X	1965	24
Retirement date	X	X	1965	24
Termination date	X	X	1965	24
Vital status of retirees	NA	NA	NA	NA
Cause of death data	NA	<u>ŅA</u>	NA	NA

$[_]$ Mark (X) this box if you attach a continuation shee

In accordance with the instructions, complete the following table for each activity 9.02 in which you engage. CBI b. d. e. Yearly Total Total Quantity (kg) Activity **Process Category Workers Vorker-Hours** Manufacture of the **Enclosed** NA NA NA listed substance Controlled Release NA NA NA 0pen NA NA NA NA NA NA On-site use as **Enclosed** reactant Controlled Release 14 40,040 191,792 **Open** NA NA NA **Enclosed** On-site use as NA NA NA nonreactant Controlled Release NA NA NA 0pen NA NA NA On-site preparation **Enclosed** NA NA NA of products Controlled Release NA NA NA 0pen NA NA NA

^[] Mark (X) this box if you attach a continuation sheet.

.03	Provide a descriptive encompasses workers was listed substance.	job title for each labor category at your facility that ho may potentially come in contact with or be exposed to the
_1		D
	Labor Category	Descriptive Job Title
	A	Foam Machine Operator (chem) III
	В	Process Area Supervisor
	C	Laborer, General
	D	
	E	
	F	
	- G	
	H	
	I	
	J	
	•	
	, .	
		·
		•

_	indicate associated work	c areas.	
CBI	Dungaga tung	Molded Flevible Polyuret	thane Foam Manufacturing
_,	Process type	See Work Area Diagram, p	
		See Work Area Diagram, I	page sia.
			•
			•
	i saa		
			·
	•		

9.05 CBI	may potentially come in additional areas not a	work area(s) shown in question 9.04 that encompass workers who in contact with or be exposed to the listed substance. Add any shown in the process block flow diagram in question 7.01 or question and complete it separately for each process type.				
[_]	Process type	Molded Flexible Polyurethane Foam Manufacturing				
	Work Area ID	Description of Work Areas and Worker Activities				
	1	Mold Line Process Equipemnt - Mold line crew monitors				
	2	process; repairs, trims, and packages parts.				
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	. • • •					
		·				

Process typ	e	Molded Flexibl	e Polvi	rethane Foar	m Manufacturi	na
		• • • • • • • • • • • • • • • • • • • •		• • • • • •	1	
Labor Category	Number of Workers Exposed	Mode of Exposur (e.g., dire skin contac	ect	Physical State of Listed Substance ¹	Average Length of Exposure Per Day ²	Numbe Days Yea Expe
A	2	inhalation	ı 	GU	E	2
B	3	inhalation	1	GU	E	20
C	9	inhalation	1	GU	E	26
•						· ——
						
						• •
				-		
•				·		
the point of temporary for the point of temporary for the following the	condensible at erature and presection of exposure: (condensible at erature and presection of exposure) condensible at erature and presection of exposure and presection of exposure at the exposure of exposure at the exposure of exposure at the exposure exposure of exposure exposur	ambient ssure) at ambient ssure; ors, etc.) o designate ave	SY = AL = OL = IL = rage le	Sludge or sl Aqueous liqu Organic liqu Immiscible l (specify pha 90% water, 1 ength of expo	urry id id iquid ises, e.g., 0% toluene) esure per day:	not

9.07	Veighted Average (TV	gory represented in question 9.06 (A) exposure levels and the 15-min tion and complete it separately for	nute peak exposure levels.
<u>CBI</u>			
[_]	Process type	Molded Flexible Polyureth	ane Foam Manufacuring
	Work area		1
	Labor Category	8-hour TWA Exposure Level (ppm, mg/m³, other-specify)	15-Minute Peak Exposure Level (ppm, mg/m³, other-specify)
	A	0.004 ppm	UK
	В	UK	UK
	C	<0.001 - 0.001 ppm	UK
			
			· · · · · · · · · · · · · · · · · · ·
	·		·
	**************************************	<u> </u>	
			•
	•		

PART	PART B WORK PLACE MONITORING PROGRAM						
9.08	If you monitor worke	r exposur	e to the li	sted substa	nce, compl	ete the fo	llowing table.
<u>CBI</u>							
[_]		Work	Testing Frequency	Number of Samples	Who ,	Analyzed In-House	Number of Years Records
	Sample/Test	Area ID	(per year)	(per test)	Samples*	(Y/N)	<u> Maintained</u>
	Personal breathing zone	1	1	2	B	N	3yrs.
	General work area (air)		12	3	A	<u>Y</u>	4yrs.
	Wipe samples	NA	NA	NA	NA	NA	NA
	Adhesive patches	<u> </u>	NA	NA	NA	NA	NA
	Blood samples	NA	NA	NA	<u>NA</u>	<u>NA</u>	NA NA
	Urine samples	NA	NA	<u>NA</u>	NA	NA	NA
	Respiratory samples	NA	NA	NA	NA	NA	<u>NA</u>
	Allergy tests	NA	NA	NA	NA	NA	NA NA
	Other (specify)						
	General Work Area	1_	1	2	B	N	3 yrs
	Other (specify)						
	General Work Area	11	1	2	D	N	2 yrs

¹ Use the following codes to designate who takes the monitori	g samples:
--------------------------------------------------------------------------	------------

2 yrs

Personal breathing

Other (specify)

zone

[_]	Mark (X) this box if you attach a continuation sheet.	<u></u>
	95	

A = Plant industrial hygienist

B = Insurance carrier

C = OSHA consultant

D = Other (specify)

[_]	Sample Type	Sa	ampling and Analyt	ical Methodolo	ogy
	General Work Areas	Clorimetric p	aper tape analyze	d by photodio	de
	Personal	Colorimetric	paper analyzed wi	th a color ch	art
	Personal and Area	Air pump with	coated glass fib	er filter - a	nalyzed by
		reverse phase	high performance	liquid chrom	atography
		•			
9.10	If you conduct person specify the following				substance,
	Equipment Type 1	Detection Limit ²	Manufacturer	Averaging Time (hr)	Model Number
	J	A	GMD Systems	4 min	Auto step
	J .	A	GMD Systems	5 min	Sure-spot
	D.E	A	UK		UK
	1 Use the following co A = Passive dosimete B = Detector tube C = Charcoal filtrat D = Other (specify) J = Colorimetric pa Use the following co E = Stationary monit F = Stationary monit G = Stationary monit H = Mobile monitorin I = Other (specify) 2 Use the following co A = ppm B = Fibers/cubic cen C = Micrograms/cubic	ion tube with pump coated glass fiber per with pump des to designate as ors located within ors located within ors located at plang equipment (specifies to designate details)	filter with pump mbient air monitor work area facility nt boundary fy)	ing equipment	

Test Description		(weekly,	Frequenc monthly, y	y early, etc.)
Chest X-ray	_	yearly	· ·	
	_			
	_			
	_			
	-	· · · · · · · · · · · · · · · · · · ·		
				•
	•			
	•	•		
•				
•				

9.12 CBI	Describe the engineering co to the listed substance. P process type and work area.	hotocopy this	u use to reduce o question and comp	r eliminate wor lete it separat	ker exposur ely for eac
[_]	Process type	. Molded Flex	ible Polyurethane	Foam Manufact	uring
	Work area	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	1	
	Engineering Controls	Used (Y/N)	Year Installed	Upgraded (Y/N)	Year Upgraded
	Ventilation:				
	Local exhaust	<u> </u>	1965	. <u>N</u>	NA
	General dilution	N			
	Other (specify)				
		N	-		
	Vessel emission controls	У	1965	N	NA
	Mechanical loading or packaging equipment	Y	1965	N	NA
	Other (specify)		·		
		N	****		
		•			

[] Mark (X) this box if you attach a continuation sheet.

13 <u>I</u>	prior to the reporting year that have resulted in a reduct the listed substance. For each equipment or process modifi the percentage reduction in exposure that resulted. Photo complete it separately for each process type and work area	tion of worker exposure of the control of the contr
_]	Process type Molded Flexible Polyurethane Fo	am Manufacturing
	Vork area Equipment or Process Modification	Reduction in Worker Exposure Per Year (%)
	80% of pumps have been replaced with types	10
		-
	which eliminate seal leakage.	
	·	
	•	

PART	D PERSONAL PROTECTI	VE AND SAFETY EQUIPMENT			
9.14 <u>CBI</u>	in each work area i	al protective and safety equi n order to reduce or eliminat py this question and complete	e their exposu:	re to the listed	•
[_]	Process type	Molded Flexible Polyur	ethane Foam Ma	nufacturing	
	Work area	••••••	• • • • • • • • • • • • • •	1	
	•	Equipment Types	Wear or Use (Y/N)		
		Respirators	N		
		Safety goggles/glasses	Y		
		Face shields	<u> </u>		
	•	Coveralls	N		
	•	Bib aprons	N		
		Chemical-resistant gloves			•
		Other (specify)			
		Boots	<u> </u>		
		Supplied air masks	<u> </u>		
		NOTE: Above are used only maintenance operation		cy and	

[$\overline{}$] Mark (X) this box if you attach a continuation sheet.

9.15	process ty respirator tested, ar	s use respirators when work ype, the work areas where is used, the average usage nd the type and frequency it separately for each pro	the respirate, whether or of the fit t	ors are us not the r	sed, the type respirators w	of ere fit
<u>CBI</u>						
[_]	Process ty	pe	NA			
	Work Area	Respirator Type	Average Usage	Fit Tested (Y/N)	Type of Fit Test ²	Frequency of Fit Tests (per year)
			***************************************		-	
		ly a year (specify) ollowing codes to designa itative	te the type	 of fit tes	t :	
				·		
			·	·		

.19 BI	Describe all of the work p eliminate worker exposure authorized workers, mark a monitoring practices, prov question and complete it s	to the listed su reas with warnin ide worker train	bstance (e.g. g signs, insu ing programs.	, restrict en re worker det etc.). Phot	trance only to ection and ocopy this
]	Process type Mo	lded Flexible Po	olyurethane Fo	oam Manufactu	ring
	Work area			1	
	1. All personnel have	been given haza	rd communicat	ion training.	·
	2. Placards posted in	all areas, and	on TDI tanks.		
	3 Access to process a	erea is limited.			
	4. Supplied air system				•
20	Indicate (X) how often you leaks or spills of the lis separately for each proces Process type M	ted substance. s type and work olded Flexible I	Photocopy thi	s question an	d complete it
. 20	leaks or spills of the lis separately for each proces	ted substance. s type and work olded Flexible I	Photocopy thi	s question an Foam Manufact 3-4 Times	uring
. 20	leaks or spills of the lis separately for each proces Process type M Work area	ted substance. s type and work colded Flexible I	Photocopy this area. Polyurethane I 1-2 Times	s question an Foam Manufact 3-4 Times	uring More Than
.20	leaks or spills of the lis separately for each proces Process type M Work area Housekeeping Tasks	ted substance. s type and work colded Flexible I Less Than Once Per Day	Photocopy this area. Polyurethane I 1-2 Times Per Day	s question an Foam Manufact 1 3-4 Times Per Day	uring More Than 4
.20	leaks or spills of the lis separately for each proces Process type M Work area Housekeeping Tasks Sweeping	ted substance. s type and work olded Flexible I Less Than Once Per Day	Photocopy this area. Polyurethane I 1-2 Times Per Day NA	s question an Foam Manufact 1 3-4 Times Per Day NA	More Than A
.20	leaks or spills of the lis separately for each proces Process type M Work area Housekeeping Tasks Sweeping Vacuuming	Less Than Once Per Day NA NA	Photocopy this area. Polyurethane I 1-2 Times Per Day NA NA	s question an Foam Manufact 3-4 Times Per Day NA NA	More Than A Times Per Da
20	leaks or spills of the lis separately for each proces Process type M Work area Housekeeping Tasks Sweeping Vacuuming Vacuuming Vater flushing of floors	ted substance. s type and work colded Flexible I Less Than Once Per Day NA NA NA NA NA	Photocopy this area. Polyurethane I 1-2 Times Per Day NA NA	s question an Foam Manufact 3-4 Times Per Day NA NA	More Than Times Per Da

9.21	Do you have a written medical action plan for responding to routine or emergency exposure to the listed substance?
	Routine exposure NA
	Yes 1
	No 2
	Emergency exposure NA
	Yes 1
	No 2
	If yes, where are copies of the plan maintained?
	Routine exposure:
	Emergency exposure:
9.22	Do you have a written leak and spill cleanup plan that addresses the listed substance? Circle the appropriate response.
	Yes
	No
	If yes, where are copies of the plan maintained? and Cairo Fire Department
	Has this plan been coordinated with state or local government response organizations? Circle the appropriate response.
	Yes
	No 2
9.23	Who is responsible for monitoring worker safety at your facility? Circle the appropriate response.
	Plant safety specialist 1
	Insurance carrier 2
	OSHA consultant 3
	Other (specify) 4
·,	Mark (X) this box if you attach a continuation sheet.
ſ1	nate (a) this box if you attach a continuation sheet.

SECTION 10 ENVIRONMENTAL RELEASE

General Instructions:

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RQ, unless the release is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and, thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that are equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period are not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RO.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

10.01	Where is your facility located? Circle all appropriate responses.
CBI	
[_]	Industrial area
	Urban area
	Residential area
	Agricultural area
	Rural area
	Adjacent to a park or a recreational area
	Within 1 mile of a navigable waterway
	Within 1 mile of a school, university, hospital, or nursing home facility
	Within 1 mile of a non-navigable waterway
	Other (specify)1

10.02	Specify the exact location of you is located) in terms of latitude (UTM) coordinates.				
	Latitude		37	02	<u>'</u> 00
	Longitude	·····	89 •	13	• 00
	UTM coordinates Zone	, Northi	ng	_, Easti	ng
10.03	If you monitor meteorological conthe following information.	ditions in the vicini	ty of your	facilit	y, provide
	Average annual precipitation		NA	<u> </u>	inches/year
	Predominant wind direction		NA		
10.04	Indicate the depth to groundwater	•	NA		motors
	Depth to groundwater	······	NA .		meters
10.05 CBI	For each on-site activity listed, listed substance to the environment Y, N, and NA.)	indicate (Y/N/NA) all	l routine	releases	of the
	For each on-site activity listed, listed substance to the environmen	indicate (Y/N/NA) all	l routine	releases for a de	of the
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.)	indicate (Y/N/NA) all it. (Refer to the ins	l routine structions	releases for a de	of the efinition of
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity	indicate (Y/N/NA) all nt. (Refer to the ins Envir	l routine structions conmental i	releases for a de	of the efinition of
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing	indicate (Y/N/NA) allows. (Refer to the instance Environment)	l routine structions conmental struction	releases for a de	of the efinition of Land
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing	indicate (Y/N/NA) allot. (Refer to the instance Environment) Air NA NA	l routine istructions conmental i	releases for a de	of the efinition of Land NA NA
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing	indicate (Y/N/NA) alloat. (Refer to the instance in Air NA NA Y	l routine is structions conmental is water NA NA	releases for a de	of the efinition of Land NA NA
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used	indicate (Y/N/NA) all nt. (Refer to the instance Environment) Air NA NA Y NA	l routine istructions conmental i Water NA NA NA	releases for a de	of the efinition of Land NA NA NA NA
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used Product or residual storage	indicate (Y/N/NA) all at. (Refer to the instance in the instan	l routine is structions conmental I Vater NA NA NA NA	releases for a de	of the efinition of Land NA NA NA NA NA
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used Product or residual storage Disposal	indicate (Y/N/NA) all at. (Refer to the instance in the instan	l routine is structions conmental I Vater NA NA NA NA NA NA NA NA NA N	releases for a de	of the efinition of Land NA

ar	n example.)		ther explanation and
CBI			
[<u></u>]	uantity discharged to the air	9.6	kg/yr ± 10 2
Qu	uantity discharged in wastewaters	NA	kg/yr ± %
_	nantity managed as other waste in on-site ceatment, storage, or disposal units	NA	kg/yr ± %
	nantity managed as other waste in off-site ceatment, storage, or disposal units	NA	kg/yr <u>+</u> %

[] Mark (X) this box if you attach a continuation sheet.

EBI	for each process streat process block or resid	technologies used to minimize release of am containing the listed substance as ide dual treatment block flow diagram(s). Ph ately for each process type.	ntified in your
[_]	Process type	Molded Flexible Polyurethane Foam Mar	nufacturing
	Stream ID Code	Control Technology	Percent Efficiency
	NA	NA	NA NA
		•	
	·		
	·		
		•	
	•		
			to the second se

substance residual source. sources (in terms of a St treatment block f Do not include ra	Identify each emission point source containing the lister ream ID Code as identified in your process block or low diagram(s), and provide a description of each point w material and product storage vents, or fugitive emissicals. Photocopy this question and complete it separate
Process ty	ype Mo	olded Flexible Polyurethane Foam Manufacturing
Point Sourc		Description of Emission Point Source
7GG		Mold Filling Vent Fan
	_	
		
		
•		•
	 .	
	-	
	_	
	. zer	
	·	
		•
•		
		•

⁴Average Emission Factor — Provide estimated (± 25 percent) emission factor (kg of emission per kg of production of listed substance)

Poin Source ID Code		Stack Inner Diameter (at outlet) (m)	Exhaust Temperature (°C)	Emission Exit Velocity (m/sec)	Building Height(m)	Building Width(m) ²	
7GG	10.4	0.19	35.6	45.02	13.56	15.4	
							
			•			deren er	
							<u>. </u>
² Width	of attached	or adjacent l	building		,		
H = Ho	ne follöwing o orizontal ertical	codes to des:	ignate vent	type:			
•							

10.12 <u>CBI</u>	If the listed substance is emitted in partic distribution for each Point Source ID Code i Photocopy this question and complete it sepa	dentified in question 10.09.
[_]	Point source ID code	NA NA
	Size Range (microns)	Mass Fraction (2 ± 2 precision)
	< 1	
	≥ 1 to < 10	
	≥ 10 to < 30	
	≥ 30 to < 50	
	≥ 50 to < 100	·
	≥ 100 to < 500	
	≥ 500	
		Total = 100%
		•
•		
	· en	

PART C FUGITIVE EMISSIONS

10.13	types listed which are expeaced according to the specified the component. Do this for residual treatment block finot exposed to the listed sprocess, give an overall persposed to the listed substantial for each process type.	sed to the livelight percent each procession diagram(substance. Incrementage of tance. Photo	listed suent of the ss type is). Do no fithis is time per occopy this	bstance a e listed dentified ot includ s a batch year tha s questio	nd which substance in your e equipme or inter t the pro n and com	are in se passing process b nt types mittently cess type plete it	rvice through lock or that are operated is
[_]	Process type Mo	lded Flexibl	e Polyur	ethane Fo	oam Manufa	acturing	
	Percentage of time per year type	that the li	sted sub	stance is	exposed	to this p	rocess
	.,,,,						
		Number	of Compos of Lister	nents in : d Substan	Service by ce in Pro	y Weight I cess Strea	Percent am
	Equipment Tues	Less					Greater
	Equipment Type	than 5%	5-10%	11-25%	<u>26-75%</u>	76-99%	than 99%
	Pump seals ¹				•		_
	Packed	0	0	0	4		0
	Mechanical	0	0 -	0	0	0	0
	Double mechanical ²		0	0	0	0	0
	Compressor seals ¹	0	0	0	0	0	0
•	Flanges	0	0	0	10	0	0
	Valves					•	
	'Gas ³	0	0_	0	0	0	0
	Liquid	0_	0_	0	10	0	0
	Pressure relief devices (Gas or vapor only)				2	0	0
	Sample connections	•					
	Gas	0	0	0	0	0	0
	Liquid	0	0	0	0	0	0
	Open-ended lines ⁵ (e.g., purge, vent)	· · · · · · · · · · · · · · · · · · ·					
	Gas	0	0	0	0	0	0

0

10.13 continued on next page

Liquid

[] Mark (X) this box if you attach a continuation she	·1	nark (v)	rure box	11	you	attach	а	continuation	shee
--------------------------------------------------------	----	----------	----------	----	-----	--------	---	--------------	------

¹List the number of pump and compressor seals, rather than the number of pumps or compressors

10.13	(continued)								
	² If double mechanical sea greater than the pump st will detect failure of the with a "B" and/or an "S"	uffing box pressure a he seal system, the l	and/or equipped wi	th a sensor (S) that					
	³ Conditions existing in the valve during normal operation								
	⁴ Report all pressure relic control devices	ef devices in service	e, including those	equipped with					
•	⁵ Lines closed during normal operations	al operation that wou	ıld be used during	maintenance					
10.14 CBI	Pressure Relief Devices with pressure relief devices in devices in service are contenter "None" under column	dentified in 10.13 to atrolled. If a press	indicate which p	ressure relief					
[_]	a.	b.	ċ.	d.					
	Number of Pressure Relief Devices	Percent Chemical in Vessel	Control Device	Estimated Control Efficiency ²					
	2	75%	none	NA					
				,					
			·						
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·						
				•					
	Refer to the table in ques heading entitled "Number of Substance" (e.g., <5%, 5-1	of Components in Serv	d the percent rangice by Weight Per	ge given under the cent of Listed					
	² The EPA assigns a control with rupture discs under n efficiency of 98 percent f conditions	ormal operating cond	itions. The EPA	assigns a control					
[_]	Mark (X) this box if you at	tach a continuation	sheet.						

10.15	Equipment Leak Detection place, complete the procedures. Photocotype.	following table re	garding thos	se leak det	ection and r	epair
CBI			•		4	
[_]	Process type	Molded Flexi	ole Polyuret	hane Foam	Manufacturin	ng
	Equipment Type	Leak Detection Concentration (ppm or mg/m³) Measured at Inches from Source	Detection Device			
	Pump seals		•			
	Packed	NA			-	
	Mechanical	NA	· · · · · · · · · · · · · · ·			,
	Double mechanical	NA				
	Compressor seals	NA				
	Flanges	NA			-	
	Valves					
	Gas	NA .	· .	*		
	Liquid	NA				
	Pressure relief devices (gas or vapor only)	NA				
	Sample connections					•
	Gas	NA				
	Liquid	NA				
	Open-ended lines					•
	Gas	NA.			· · · · · · · · · · · · · · · · · · ·	
	Liquid	NA				
	1 Use the following control of POVA = Portable organism of POVA = Fixed point model of the point	anic vapor analyze		evice:		

[_]		Floating	Composition	Throughout	Vessel	Vessel	Vessel Inner	Tonnoll	Operating	- Vessel	Dooles	Uont	Combus	Pools
	Vessel Type¹		of Stored Materials	(liters per year)	Rate (gpm)				Volume (1)	Emission Controls	Flow Rate ⁵		Control Efficiency (%)	Basis for Estimate
	_									conserva				
	<u>F</u>	<u>NA</u>	<u>75%</u>	111.597	80	120	3_0	5.58	37.20	0 vent	<u>UK</u>	3.17	100%	E
										· · · · · · · · · · · · · · · · · · · 				
											• .			
					·		***************************************							-
														
		•							• •		-		•	
						·			• 					
*** ***	F CIF NCIF EFR P H	= Fixed ro = Contact = Nonconta = External = Pressure = Horizont = Undergro	internal floact internal l floating ro e vessel (inc tal	pating roof floating roo pof licate pressu	of are ratin	ng)	MS1 MS2 MS2 IM1 IM2 IMW VM1 VM2 VMW	= Mec = Sho R = Rim = Liq = Rim = Wea = Vap = Rim = Wea	hanical ne-mounte nuid-mounte nuid-mounte or mount n-mounte nuid-mounte nuid-mounte nuid-mounte nuid-mounte	shoe, pri ed seconda d, seconda nted resil d shield ield ited resili d secondar ield	mary ry ient fil	lled seal, led seal,	primary	s:
47 47 47	F CIF NCIF EFR P H U	= Fixed ro = Contact = Nonconta = External = Pressure = Horizont = Undergro	internal floact internal l floating rose vessel (incommod	pating roof floating roo pof licate pressu	of are ratin	ng)	MS1 MS2 MS2 IM1 IM2 IMW VM1 VM2 VMW	= Mec = Sho R = Rim = Liq = Rim = Wea = Vap = Rim = Wea	hanical ne-mounte nuid-mounte nuid-mounte or mount n-mounte nuid-mounte nuid-mounte nuid-mounte nuid-mounte	shoe, pri ed seconda d, seconda nted resil d shield ield ited resili d secondar ield	mary ry ient fil	lled seal, led seal,	primary	s:
*** ***	F CIF NCIF EFR P H U	= Fixed ro = Contact = Nonconta = External = Pressure = Horizont = Undergro ate weight	internal floact internal l floating ro e vessel (inc tal bund t percent of	pating roof floating roo oof dicate pressu	of are ration	e, İnclude	MS1 MS2 MSZ IM1 IM2 IMW VM1 VM2 VMW	= Mec = Sho R = Rim = Liq = Rim = Wea = Vap = Rim = Wea	hanical ne-mounte nuid-mounte ther sh nor mounte n-mounte ther sh ile org	shoe, pri ed seconda d, seconda nted resil d shield ield ted resili d secondar ield anic conte	mary ry ry ient fil ent fill y nt in p	lled seal, led seal,	primary	s:
47 47 47	F CIF NCIF EFR P H U	= Fixed ro = Contact = Nonconta = External = Pressure = Horizont = Undergro ate weight than floo	internal floact internal l floating rose vessel (incommod	pating roof floating roo pof dicate pressu the listed s	of are ration substance	eg) e. Include e was desig	MS1 MS2 MS2 LM1 LM2 VM1 VM2 VMW the tota	= Mec = Sho R = Rim = Liq = Rim = Vap = Rim = Wea 1 volat	hanical ne-mounte nuid-mounte ther sh nor mounte ther sh ille org	shoe, pri ed seconda d, seconda nted resil d shield ield ted resili d secondar ield anic conte	mary ry ry ient fil ent fill y nt in p	lled seal, led seal,	primary	s:

10.23	was stopp	ed. If there	were more than		l and when the real attach a continuation.	
	Release		ate arted	Time (am/pm)	Date Stopped	Time _(am/pm)
	1					
	2		·			
	3					·
	4					
	5					
10.24	Specify t	he weather con- Wind Speed (km/hr)	ditions at the Wind Direction	Humidity (%)	Temperature	Precipitatio
10.24	Specify t	Wind Speed	Wind	Humidity	Temperature	
10.24	Specify t	Wind Speed	Wind	Humidity	Temperature	
10.24	Specify t	Wind Speed	Wind	Humidity	Temperature	
10.24	Specify to Release	Wind Speed	Wind	Humidity	Temperature	
10.24	Specify to Release 1 2 3	Wind Speed	Wind	Humidity	Temperature	Precipitatio (Y/N)
10.24	Specify to Release 1 2 3 4	Wind Speed	Wind Direction	Humidity	Temperature	(Y/N)
10.24	Specify to	Wind Speed	Wind	Humidity	Temperature	
10.24	Specify to	Wind Speed	Wind Direction	Humidity (%)	Temperature	(Y/N)

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

APPENDIX	I:	List	of	Continuation	Sheets
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Attach continuation sheets for sections of this form and optional information after this page. In column 1, clearly identify the continuation sheet by listing the question number to which it relates. In column 2, enter the inclusive page numbers of the continuation sheet for each question number.

	Question Number (1)		Continuation Sheet Page Number (2)
7.01			42a
7.03			44a
8.01			50a
9.04			91a
4.02			Appendix II
	,	<u> </u>	
		-	
		·	
		•	

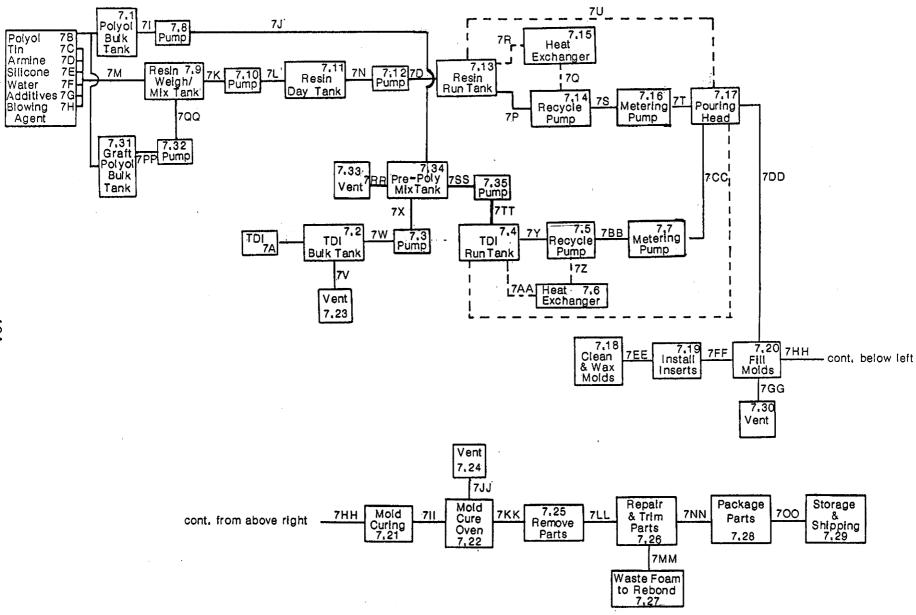


Figure 7.01 Mold Line Process Flow Diagram

Figure 7.03 Mold Line Emission Flow Diagram

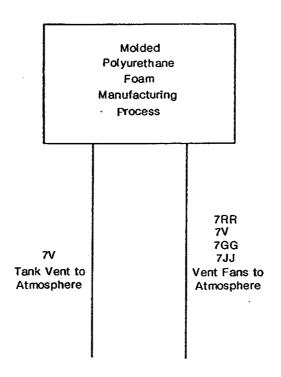


Figure 8.01 Mold Line Residual Flow Diagram

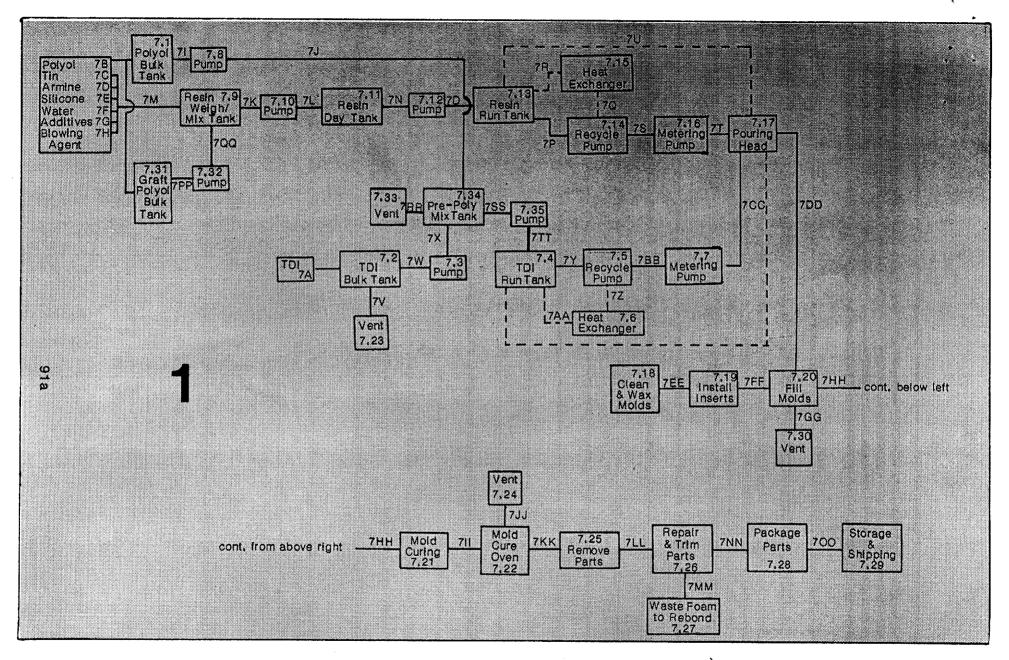


Figure 9.04 Mold Line Work Area Diagram

APPENDIX II

MATERIAL SAFETY DATA SHEETS FOR TDI USED

PRODUCT DESCRIPTION

WUL 3086T a 75:25 weight percent blend of Toluene Diisocyanate and Polymetriylene Polyphenylisocyanate (Polymeric MDI).

TYPICAL PROPERTIES

Appearance	Brown Liquid
NCO Content (wt. %)	43.6
Viscosity at 25°C (cps)	50
Flash Point (Cleveland, open cup) (°C)	132
Density at 25°C (g/cm³)	1.22
Vapor pressure at 25°C (mm Hg)	0.01

APPLICATION

WUC 3086-T should be stored away from heat and dampness at temperatures between 60°F (15.6°C) and 95°F (35°C). Open containers should be purged with dry nitrogen to prevent isocyanate in containers from reacting with atmospheric moisture and harming product quality. Precautions must be taken when purging containers to vent fumes safely away from personnel to prevent exposure. Refer to TDI handling procedures in the BASF Wyandotte Technical Service Report on TDI when using this isocyanate.

TOXICITY AND FIRST AID

WUC 3086-T contains 75% TDI. TDI vapors can produce allergic sensitization of the respiratory tract causing difficult breathing and other symptoms similar to asthma. Suitable respirators must be used whenever vapor concentration exceeds the P.E.L. of 0.02 ppm. Since the odor threshold of TDI is approximately 0.2 ppm, any discernable odor is indicative of dangerous concentration and necessitates the immediate use of respiratory protection.

Liquid WUC 3086-T is a severe skin irritant. Upon contact, exposed skin areas must be immediately washed with soap and water or tincture of green soap. Contaminated clothing should be quickly removed and not worn again until laundered, while contaminated shoes should be destroyed. (Rubber footwear is recommended to facilitate decontamination.)

WUC 3086-T can seriously injure the eyes. WUC 3086-T must be removed immediately by flushing with running water for at least 15 minutes. Following this first aid measure, the patient should be sent to a physician, preferably an eye doctor, as quickly as possible.

WUC 3086-T is only moderately toxic when swallowed. Should ingestion occur, drink large amounts of water to dilute and call a doctor immediately.

SHIPPING INFORMATION

BASF Wyandotte ships WUC 3086-T in 10,000 and 20,000 gallon tank cars, tank trucks and 55-gallon drums (net weight 551 lbs.).

For additional information, samples, or a copy of the BASF Wyandotte TD! Technical Service Report containing data on first aid methods, proper gas masks, dependable isocyanate detection apparatus and a wealth of valuable information for those charged with the safe handling and storage of isocyanates, write: BASF Wyandotte Corporation, Urethane Technical Service, 100 Cherry Hill Road, P. O. Box 181, Parsippany, New Jersey 07054.

Urethane Specialties

Technical Bulletin

WUC 3086-T

IMPORTANT: These data are based on tests and information which we believe to be reliable. Whether or not these data are used is within the sole discretion and judgement of the customer. Having no control over conditions of use, we make no representation of freedom from liability, including patent liability, incident to the use of the products referred to and disclaim any responsibility for damage or injury resulting therefrom.

WARNING: These products can be used to prepare a variety of polyurethane products. Polyurethanes are organic materials and must be considered combustible.

BASF CorporationChemicals Division

Polymers Group 100 Cherry Hill Road Parsippany, N.J. 07054 (201) 263-3400 800-526-1072

BASF

8/84

Burkart Foam Inc.

36th and Sycamore Street Cairo, IL. 62914-1299

TO:

TSCA Document

Processing Center (TS-790), Office of Toxic Substances, U. S. Environmental Protection Agency, Room L-100, 401M St., SW, Washington, DC 20460

ATTENTION: 8(a) Reporting C.A.I.R.



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